1635

1600

DATE: 10/17/2002 RAW SEQUENCE LISTING TIME: 09:51:05 PATENT APPLICATION: US/09/648,389A Input Set : A:\EP.txt Output Set: N:\CRF4\10172002\I648389A.raw 5 <110> APPLICANT: Pinsky, David 7 Stern, David Yan, Shi-Fang 13 <120> TITLE OF INVENTION: Methods for Suppressing Early Growth Response-1 Protein (Egr-1) to 14 Reduce Vascular Injury in a Subject 18 <130> FILE REFERENCE: 0575/62683 22 <140> CURRENT APPLICATION NUMBER: 09/648,389A 24 <141> CURRENT FILING DATE: 2000-08-25 ENTERED 28 <160> NUMBER OF SEO ID NOS: 6 32 <170> SOFTWARE: PatentIn version 3.1 36 <210> SEQ ID NO: 1 38 <211> LENGTH: 15 40 <212> TYPE: DNA RECEIVED 42 <213> ORGANISM: Homo sapiens 46 <400> SEQUENCE: 1 47 cttggccgct gccat OCT 2 5 2002 15 50 <210> SEQ ID NO: 2 52 <211> LENGTH: 15 TECH CENTER 1600/2900 54 <212> TYPE: DNA 56 <213> ORGANISM: Homo sapiens 60 <400> SEQUENCE: 2 15 61 taccgtcgcc gtgct 65 <210> SEQ ID NO: 3 67 <211> LENGTH: 543 69 <212> TYPE: PRT 71 <213> ORGANISM: Homo sapiens 75 <400> SEQUENCE: 3 77 Met Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile 78 1 5 10 81 Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr 2.5 85 Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe 89 Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser 55 93 Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser

97 Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro

101 Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn

105 Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu

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RAW SEQUENCE LISTING
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Input Set : A:\EP.txt

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109 110		Pro 130	Ile	Thr	Tyr	Thr	Gly 135	Arg	Phe	Ser	Leu	Glu 140	Pro	Ala	Pro	Asn
113			Asn	Thr	Leu	Trp 150		Glu	Pro	Leu	Phe 155		Leu	Val	Ser	Gly 160
117		Val	Ser	Met	Thr 165		Pro	Pro	Ala	Ser 170		Ser	Ser	Ala	Pro 175	
118 121	Pro	Ala	Ala	Ser		Ala	Ser	Ala	Ser		Ser	Pro	Pro	Leu	-	Cys
122				180					185					190		_
125 126	Ala	Val	Pro 195	Ser	Asn	Asp	Ser	Ser 200	Pro	Ile	Tyr	Ser	A1a 205	Ala	Pro	Thr
130 131	Phe	Pro 210	Thr	Pro	Asn	Thr	Asp 215	Ile	Phe	Pro	Glu	Pro 220	Gln	Ser	Gln	Ala
		Pro	Gly	Ser	Ala	_	Thr	Ala	Leu	Gln		Pro	Pro	Pro	Ala	
	225					230		_ •		_	235		_	_		240
139				_	245	_			Val	250				-	255	
142 143	Phe	Pro	Gln	Gln 260	Gln	Gly	Asp	Leu	Gly 265	Leu	Gly	Thr	Pro	Asp 270	Gln	Lys
	Pro	Phe	Gln	Gly	Leu	Glu	Ser	-	Thr	Gln	Gln	Pro	Ser	Leu	Thr	Pro
147			275					280					285			
	Leu		Thr	Ile	Lys	Ala		Ala	Thr	Gln	Ser	-	Ser	Gln	Asp	Leu
151	<b>T</b>	290	<b>.</b>		m 1	<b>a</b>	295	a1	<b>a</b>	<b>01</b>	T	300	T	D	<b>a</b>	3
	Lуs 305	Ата	Leu	Asn	Tnr	310	туr	GIN	Ser	GIN	ьеи 315	iie	ьуs	Pro	ser	320
		Ara	Lvs	Tvr	Pro		Arq	Pro	Ser	Lvs	Thr	Pro	Pro	His	Glu	Arq
159		-	_	_	325		_			330					335	
162	Pro	Tyr	Ala	Cys 340	Pro	Val	Glu	ser	Cys 345	Asp	Arg	Arg	Phe	350	Arg	Ser
	Asp	Glu	Leu		Ara	His	Ile	Ara	Ile	His	Thr	Glv	Gln	Lvs	Pro	Phe
167	_		355					360					365	-		
170	Gln		Arg	Ile	Cys	Met		Asn	Phe	Ser	Arg		Asp	His	Leu	Thr
171	Thr	370	Tlo	λκα	mhr.	นาร	375	C1 v	Glu	Twe	Dro	380 Dho	λla	Cvc	λen	Tlo
175		1113	116	ALG	1111	390	1111	GIY	Giu	цуз	395	FIIC	ΑΙα	Cys	пэр	400
		Glv	Δra	Lvs	Phe		Δrσ	Ser	Asp	Glu		T.vg	Δrα	Hic	Thr	
179	Cys	Gry	nry	цу	405	mia	**** 9	UCI	тор	410	n y	цу	my	пто	415	цу
	Tl_	ије	Τ.Δ11	Δrσ		Lvc	Δen	T.vc	Lys		Δen	T.vg	Sor	Val		Δla
183	110	1113	пец	420	0111	פעם	шър	цу	425	AIU	пор	шуз	UCI	430	Val	mu
	Ser	Ser	Δla		Ser	Ser	Leu	Ser	Ser	Tur	Pro	Ser	Pro		Δla	Thr
187	DCI	Der	435	1111	DCI	DCI	пси	440	DCI	ı yı	LIO	DCI	445	VUL	niu	T 111
	Ser	Tur		Ser	Pro	Va l	Thr		Ser	Tur	Pro	Ser		Δla	Thr	Thr
191	UCI	450	110	DCI	110	, uı	455	1111	DCI	- y -	110	460	110	niu	1111	1111
	Ser		Pro	Ser	Pro	Val		Thr	Ser	Phe	Ser		Pro	G1 v	Ser	Ser
196		-1-	110	001	110	470			501	1	475	501		011	001	480
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200		-1-			485				O-1	490	0				495	
	Thr	Thr	Tvr	Ser		Val	Pro	Pro	Ala		Pro	Ala	Gln	Va1		Ser
204			-1-	500					505					510		
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-										-					-	

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	<212> TYPE						
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				cctgggcaac			120
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	-		_	atcacttgag			240
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				ggtaccctac			360
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				cccctgacc			660
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				cggaatccct			840
				ctttttgttt			900
				ttctttttcc			960
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283	gaggcccggg	gtcaaggccc	cgcctctcct	gggcggcccc	tgcccaggcg	ggcccagccg	1680
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	-		_	caccatggac			2760
				gttcctcggc			2820
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				gagccacaaa			4020
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				cagcagcagg			4140
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				gcttgcccag			4380
376	ttctcccgct	ccgacgagct	cacccgccac	atccgcatcc	acacaggcca	gaagcccttc	4440
	_			cgcagcgacc			4500
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	415 tgatgatgct gtgacaataa												5580	
417 cagagcatgt gtcagagtgt				-	-			_			_	_	_	5640
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	aaagtagctg													6240
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	aggcccactg				-							_		6360
	agggtctcgg													6420
	tttggtgtct													6480
	ggcacgtgcc		_	-				-			-			6540
	gctggagttc											-9	Jooous	6590
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	<211> EENG													
	<213> ORGA		റന്നറ മോ	niano	,									
	<400> SEQUI			ртепа	•									
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465		1 A14 1	уѕ ніа	GIU	Mec	GIII	10	Met	Ser	PIO	Leu	15	116	
	Ser Asp Pro	•	lu Cor	Dho	Dro	uic		Dro	Thr	Mot	λαη		Фил	
470	ser Asp Pro	20	ry ser	rne	PIO	25	261	PIU	1111	мес	30	ASII	ıyı	
	Pro Lys Le	- ·	lu Mot	Mot	LOU		Cor	λan	C117	λla		Cln	Dho	
475	35 PIO Lys Let	ı Giu G	iu Met	мес	40	ьеи	Set	ASII	GLY	45	PIO	GLII	FIIE	
	Leu Gly Ala	. 11. C	1,, 7,12	Dro		C1**	Cor	C1++	Cor		Cor	Sor	Cor	
	50	ALA G	ту нта	55	GIU	СТУ	261	СТА	60	ASII	ser	ser	ser	
479		~ al a	1 61		C1	C1	C1	C1		Com	7 an	Com	Com	
	Ser Ser Se:	c era e		СТУ	СТУ	GTÅ	СТУ		СТУ	ser	ASII	ser		
483		. a m	70	3	D	<b>a</b> 1	31.	75	m 1	<b>01</b>	<b>a</b> 1	03-	80	
	Ser Ser Se			ASII	Pro	GIII		ASP	Thr	СТА	GIU		PIO	
487	m	8		<b>a</b> 1	<b>a</b>	Dl	90	•	<b>-</b> 1.	<b>a</b>	<b>.</b>	95		
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491		100			_	105	_	_			110	_	_	
	Glu Lys Val		al Glu	Thr		Tyr	Pro	Ser	Gln		Thr	Arg	Leu	
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VERIFICATION SUMMARY

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